



OIL REPORT

LAB NUMBER:
 REPORT DATE: 6/12/2015
 CODE: 20/640

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Porsche 3.6L H-6	OIL TYPE & GRADE: Motul X-cess 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,667 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS This is the same sample as last time, but you requested the TBN and particle count this time, so that data is added. We won't comment on the spectral/physical data, but we will say that the TBN read 7.3, which is nice and strong. A reading of 1.0 or less is considered low. The Particle count read 17/16/13, which is plenty clean as well. It looks like this oil is holding up well for you and the oil isn't getting too dirty! Nice report!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,667	UNIT / LOCATION AVERAGES	4,667	4,056	4,212	5,049	5,136	UNIVERSAL AVERAGES
	MI/HR on Unit	67,821		67,821	63,147	59,091	54,879	49,830	
	Sample Date	5/11/2015		5/11/2015	6/20/2014	9/21/2013	1/21/2013	2/12/2012	
	Make Up Oil Added	4 qts		4 qts	2.8 qts	2.6 qts	3.22 qts	2.6 qts	
ALUMINUM	3	3	3	3	3	4	4	4	
CHROMIUM	1	1	1	1	1	1	2	1	
IRON	13	16	13	13	15	18	23	11	
COPPER	10	16	10	11	15	25	26	9	
LEAD	3	3	3	2	3	4	4	4	
TIN	0	0	0	1	1	0	0	1	
MOLYBDENUM	1	1	1	1	1	2	1	79	
NICKEL	0	1	1	1	1	0	0	1	
MANGANESE	0	0	0	0	0	0	1	1	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	0	
POTASSIUM	2	1	1	0	0	2	0	2	
BORON	51	42	52	48	49	44	10	110	
SILICON	3	4	3	3	3	4	5	7	
SODIUM	3	5	3	4	4	6	7	14	
CALCIUM	2909	2594	2905	2591	2933	2582	1641	2585	
MAGNESIUM	20	234	22	26	66	223	1048	138	
PHOSPHORUS	948	918	940	858	933	915	912	921	
ZINC	1129	1092	1147	1022	1166	1102	985	1064	
BARIUM	0	0	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	71.1	65-78	67.7	67.0	66.7	PARTICLE COUNT	ISO CODE (2)	16/13
	cSt Viscosity @ 100°C	13.24	11.6-15.3	12.33	12.15	12.07		NAS 1638 Class	8
	Flashpoint in °F	395	>375	395	405	400		ISO CODE (3)	17/16/13
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5		>= 2 Micron	1,363
	Antifreeze %	0.0	0.0	0.0	0.0	0.0		>= 5 Micron	505
	Water %	0.0	<0.1	0.0	0.0	0.0		>= 10 Micron	139
	Insolubles %	TR	<0.6	TR	0.1	TR		>= 15 Micron	54
	TBN	7.3	>1.0					>= 25 Micron	12
	TAN							>= 50 Micron	1
	ISO Code	17/16/13						>= 100 Micron	0

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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